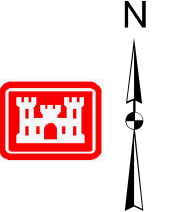
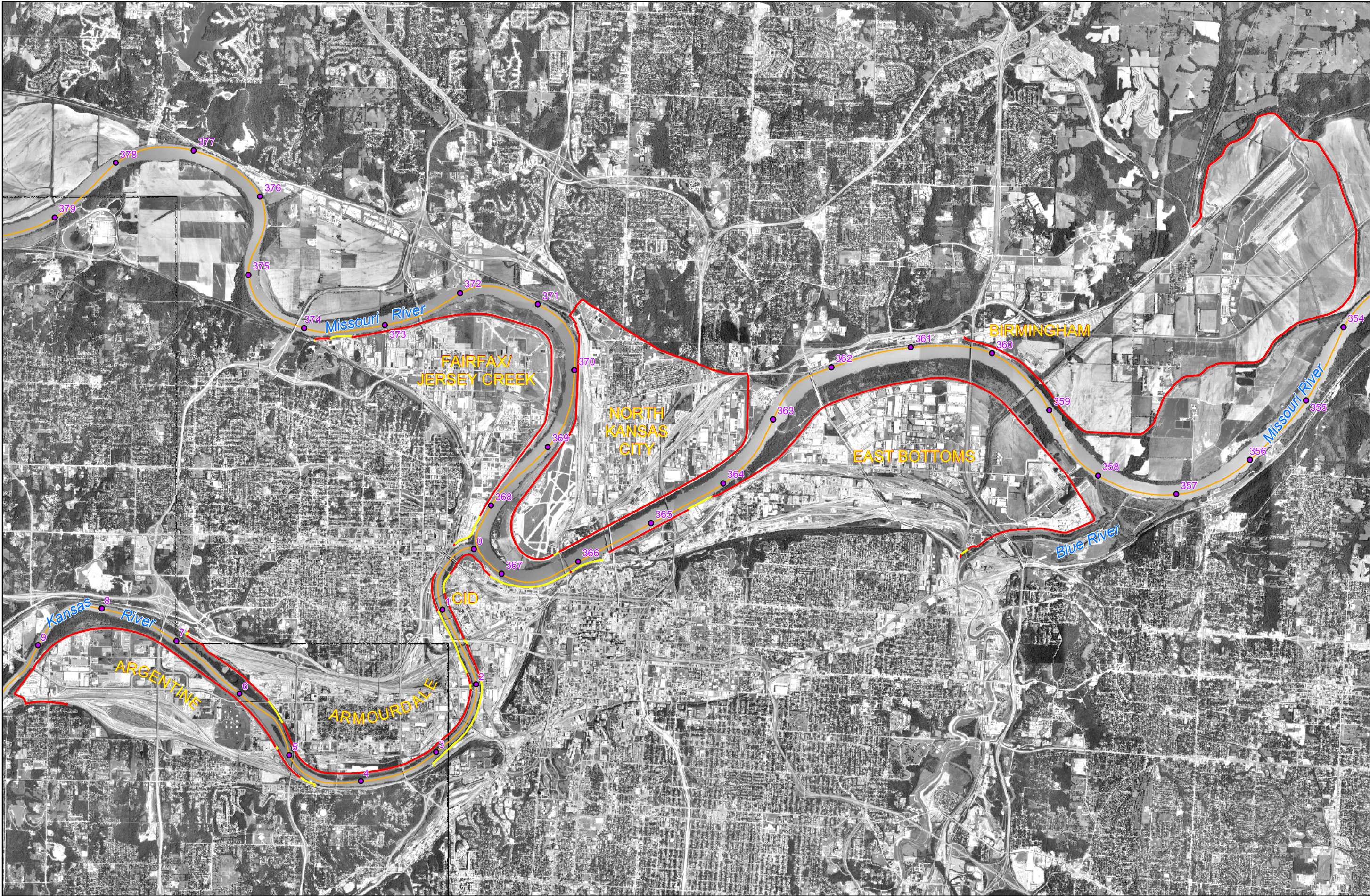
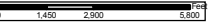


Figure 1-1

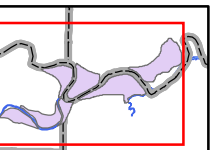


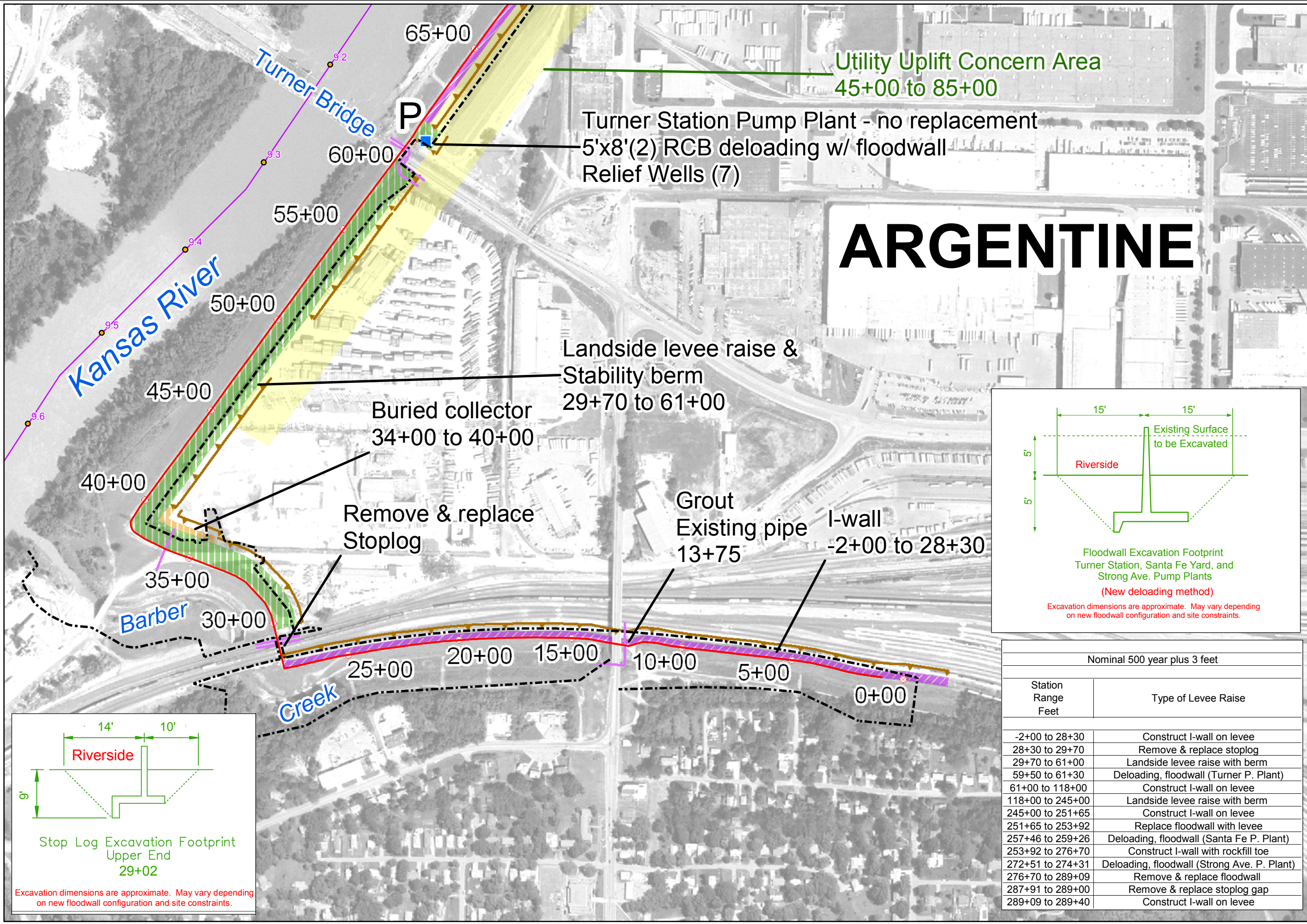
KEY
Existing Levee/Floodwall
Floodwall
Levee



Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83
Created by: U.S. Army Corps of Engineers
Kansas City District, GDS Team
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Utility Uplift Concern Area
45+00 to 85+00

Turner Station Pump Plant - no replacement
5'x8'(2) RCB deloading w/ floodwall
Relief Wells (7)

ARGENTINE

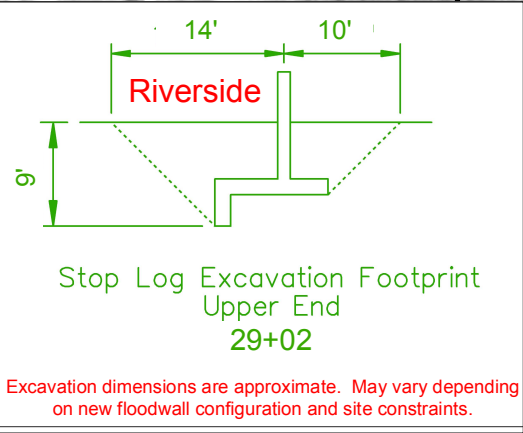
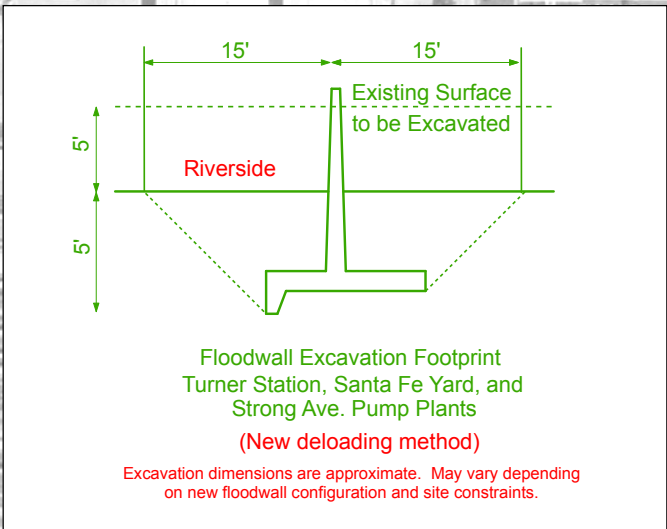
Landside levee raise &
Stability berm
29+70 to 61+00

Buried collector
34+00 to 40+00

Remove & replace
Stoplog

Grout
Existing pipe
13+75

I-wall
-2+00 to 28+30



Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

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Argentine Levee Unit
Location and Preferred
Alternative Stations
0+00 to 60+00

Nom500yr + 3 ft.

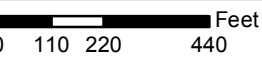
Figure 1-2

- NOTES:
- Utility easements are not shown.
 - Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings
- Existing Levee Features
- Pump Plant
- Existing Levee/Floodwall
- Floodwall
- Levee
- Potentially Affected Areas
- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

Photography Date: 2001

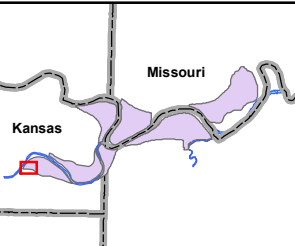


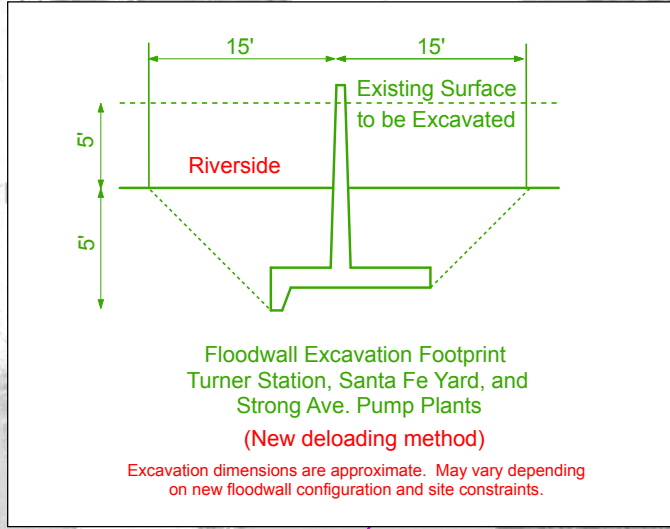
Projection: UTM Zone 15, Feet
Datum: NAD 83

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Flood Damage
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Argentine Levee Unit
Location and Preferred
Alternative Stations
60+00 to 125+00

Nom500yr + 3 ft.

Figure 1-3

- NOTES:
- 1. Utility easements are not shown.
 - 2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Project Wetlands
- Existing Right of Way
- Temporary Easement Requirement
- River Mile Markers
- Utility Uplift concern areas within 300' of levee centerline
- Utility Crossings
- Existing Levee Features
 - Pump Plant
- Existing Levee/Floodwall
 - Floodwall
 - Levee
- Potentially Affected Areas
 - Floodwall raise
 - Buried collector
 - Levee raise
 - Soils replacement, Filter blanket
 - I-walls

0 110 220 440 Feet

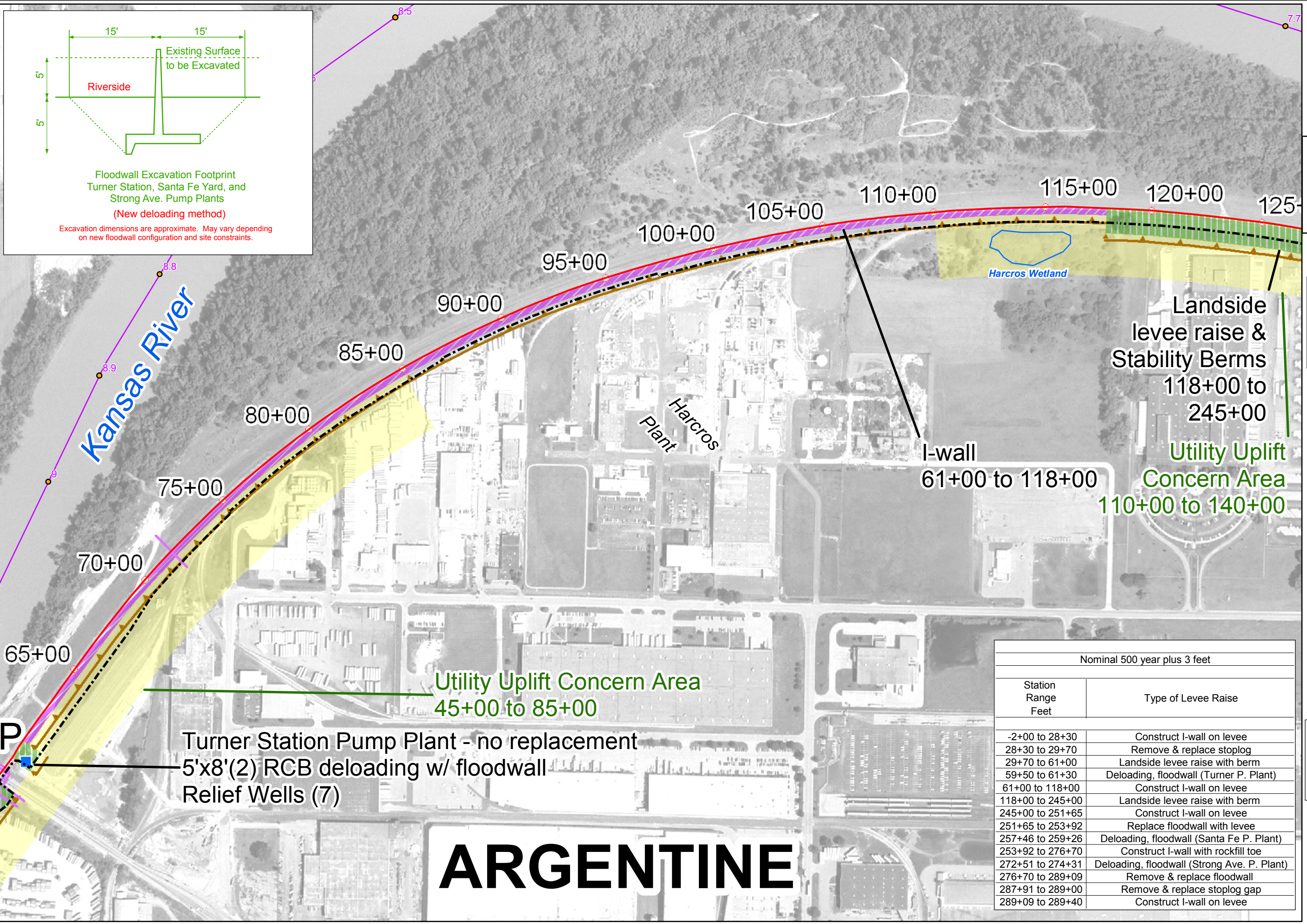
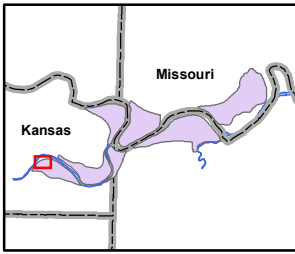
Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83

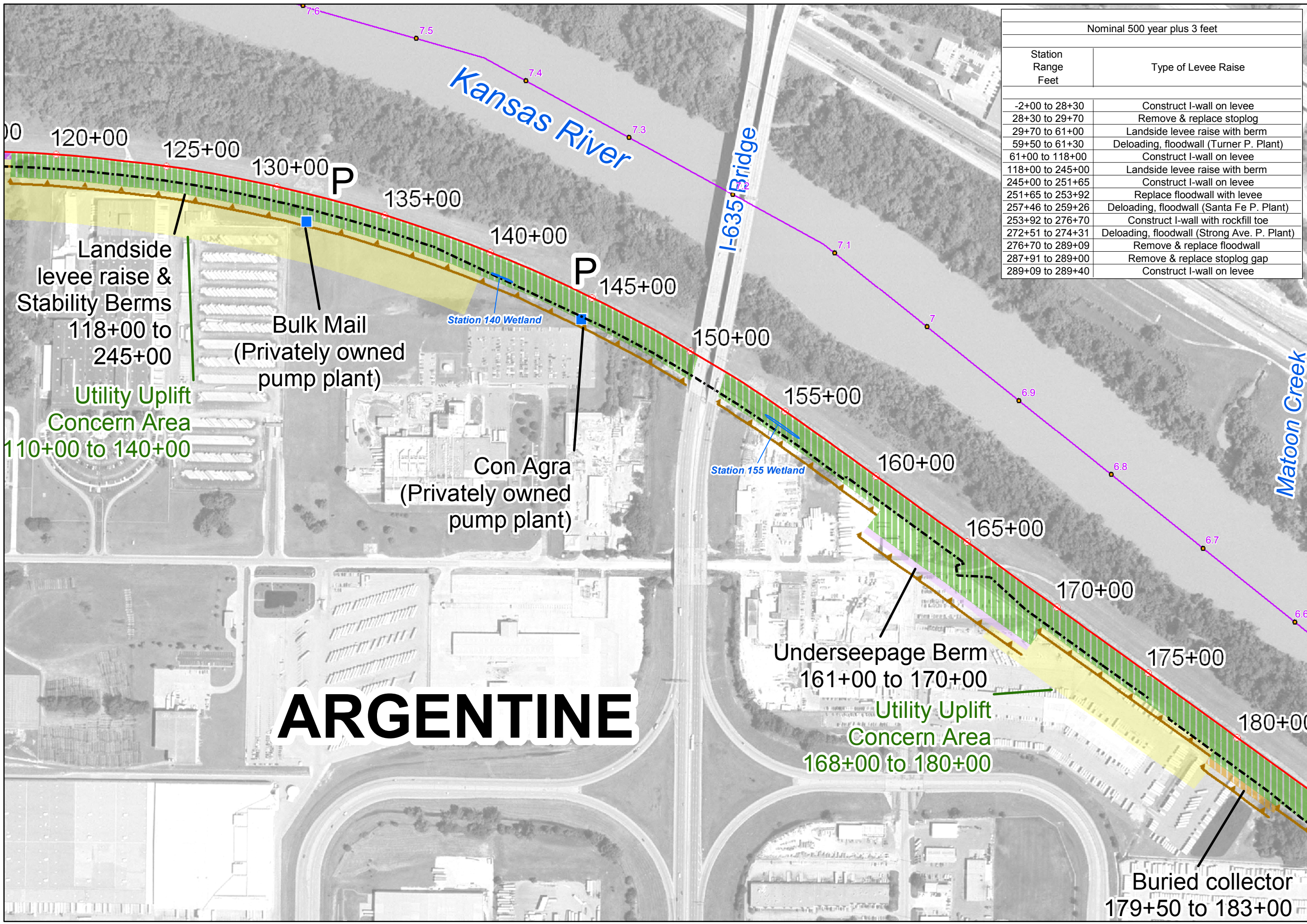
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Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee



Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

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**Argentine Levee Unit
Location and Preferred
Alternative Stations
120+00 to 180+00**

Nom500yr + 3 ft.

Figure 1-4

- NOTES:**
- 1. Utility easements are not shown.
 - 2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Project Wetlands
- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings
- Existing Levee Features**
- Pump Plant
- Existing Levee/Floodwall**
- Floodwall
- Levee
- Potentially Affected Areas**
- Floodwall raise
- Buried collector
- Levee raise
- Soils replacement, Filter blanket
- I-walls

0 100 200 400 Feet

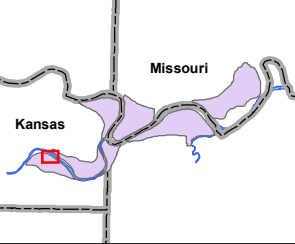
Photography Date: 2001

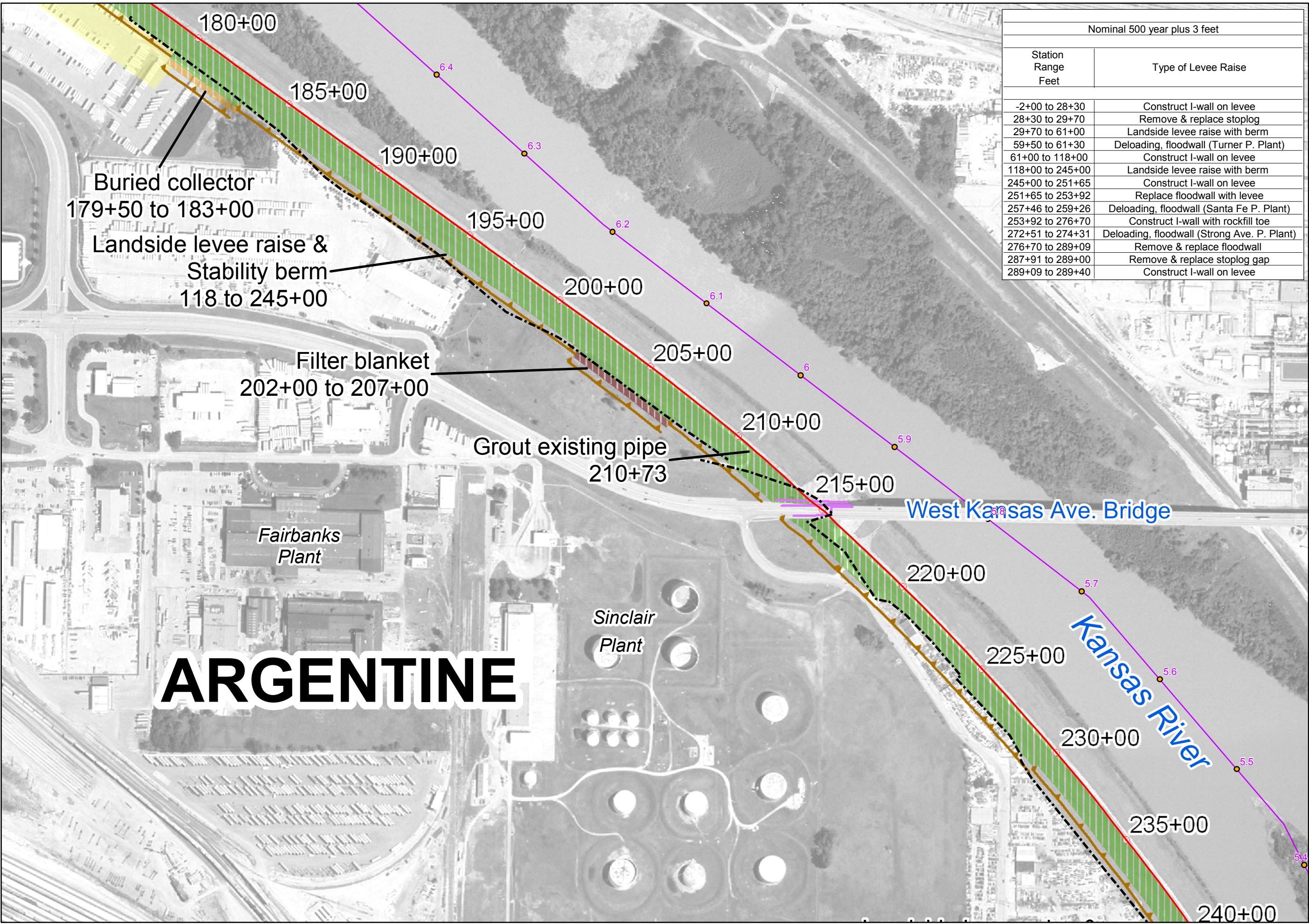
Projection: UTM Zone 15, Feet
Datum: NAD 83

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Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

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**Argentine Levee Unit
Location and Preferred
Alternative Stations
180+00 to 240+00**

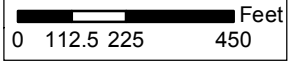
Nom500yr + 3 ft.

Figure 1-5

- NOTES:**
- 1. Utility easements are not shown.
 - 2. Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings
- Existing Levee Features
 - Pump Plant
- Existing Levee/Floodwall
 - Floodwall
 - Levee
- Potentially Affected Areas
 - Floodwall raise
 - Buried collector
 - Levee raise
 - Soils replacement, Filter blanket
 - I-walls



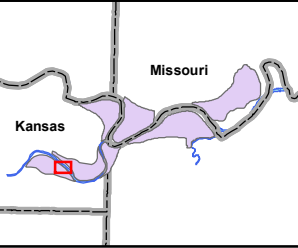
Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83

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ARGENTINE

Landside levee raise &
Stability berm
118 to 245+00

Filter blanket
244+00 to 246+00

I-wall
245+00 to 251+65

Replace floodwall with levee
251+65 to 253+92

Remove and replace Argentine Pump Plant
9.5'x9' RCB

Santa Fe Yards Pump Plant
4'x5' RCB deloading with floodwall

I-wall with
Rock fill toe
253+92 to 276+70

Utility Uplift Concern Area
248+00 to 275+00

Strengthen Strong Ave. Pump Plant
7'x7' RCB Strengthen box and
Deloading with floodwall

Remove & replace floodwall
276+70 to 289+09

Buried collector
278+00 to 289+09

Remove & replace
Stoplog

I-wall
289+09 to 289+40

Nominal 500 year plus 3 feet	
Station Range Feet	Type of Levee Raise
-2+00 to 28+30	Construct I-wall on levee
28+30 to 29+70	Remove & replace stoplog
29+70 to 61+00	Landside levee raise with berm
59+50 to 61+30	Deloading, floodwall (Turner P. Plant)
61+00 to 118+00	Construct I-wall on levee
118+00 to 245+00	Landside levee raise with berm
245+00 to 251+65	Construct I-wall on levee
251+65 to 253+92	Replace floodwall with levee
257+46 to 259+26	Deloading, floodwall (Santa Fe P. Plant)
253+92 to 276+70	Construct I-wall with rockfill toe
272+51 to 274+31	Deloading, floodwall (Strong Ave. P. Plant)
276+70 to 289+09	Remove & replace floodwall
287+91 to 289+00	Remove & replace stoplog gap
289+09 to 289+40	Construct I-wall on levee

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Argentine Levee Unit
Location and Preferred
Alternative Stations
240+00 to 289+00

Nom500yr + 3 ft.

Figure 1-6

NOTES:

- Utility easements are not shown.
- Levee raise shown stopping at levee centerline for clarity. Raise actually involves entire levee crown width.

Key

- Existing Right of Way
- Temporary Easement Requirement
- 373.6 River Mile Markers
- Utility uplift concern areas within 300' of levee centerline
- Utility Crossings
- Existing Levee Features
 - Pump Plant
 - Floodwall
 - Levee
- Potentially Affected Areas
 - Floodwall raise
 - Buried collector
 - Levee raise
 - Soils replacement, Filter blanket
 - I-walls

0 112.5 225 450 Feet

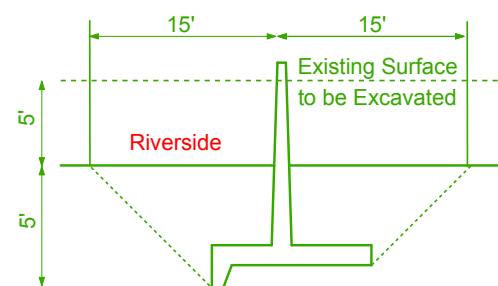
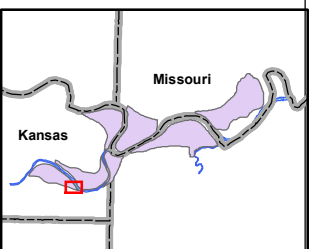
Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83

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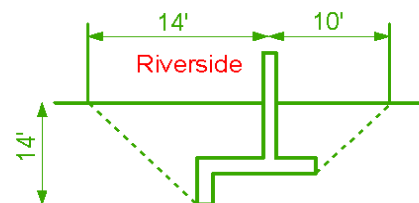
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Floodwall Excavation Footprint
Turner Station, Santa Fe Yard, and
Strong Ave. Pump Plants

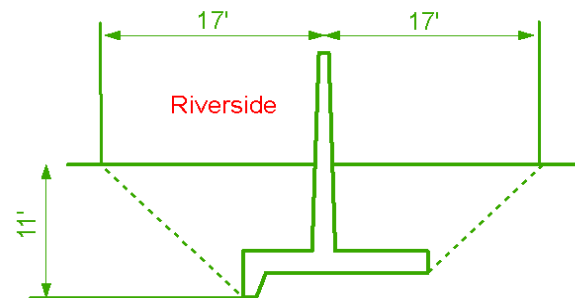
(New deloading method)

Excavation dimensions are approximate. May vary depending
on new floodwall configuration and site constraints.

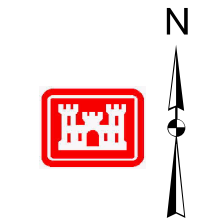
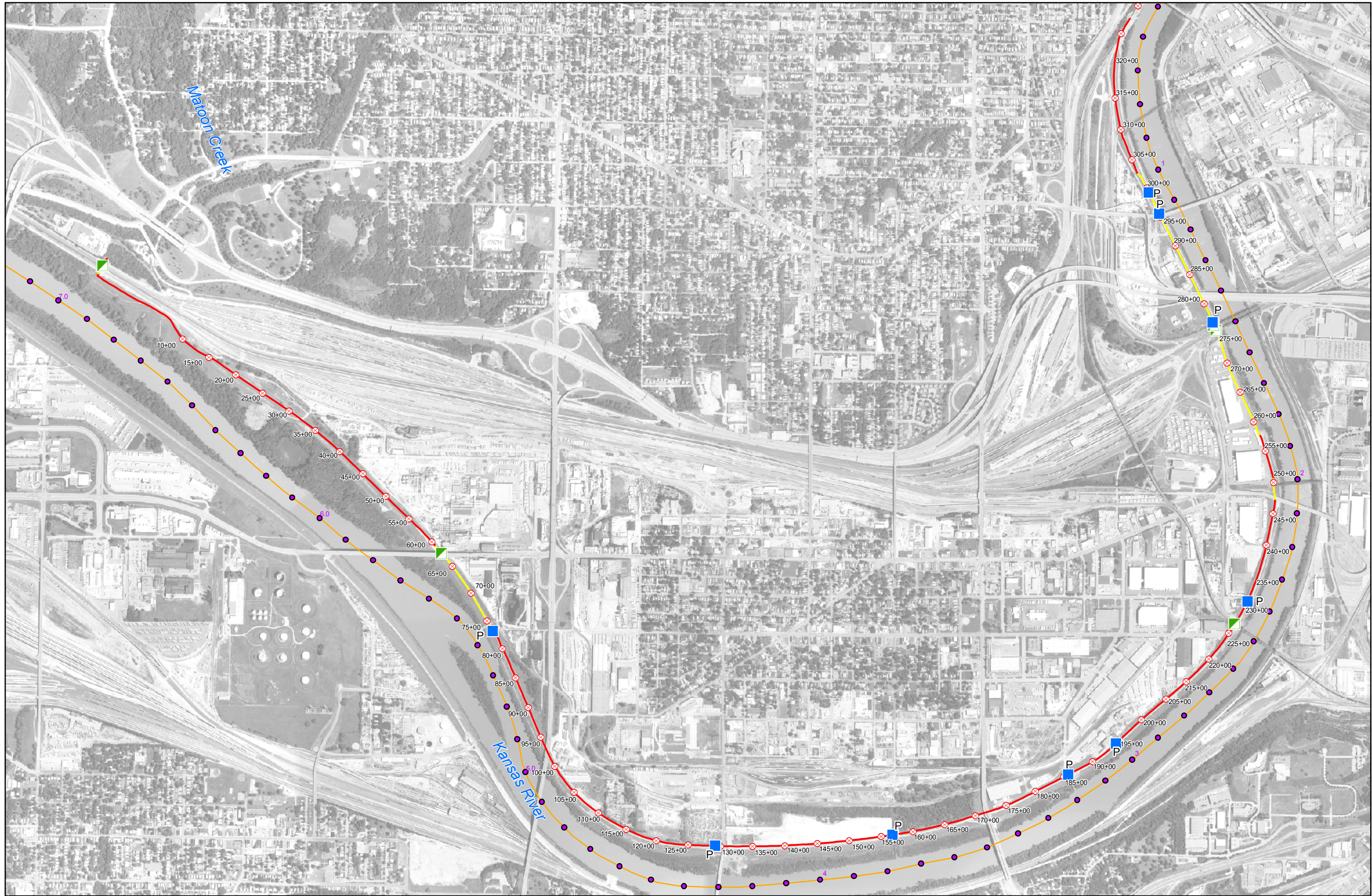


Stop Log Excavation Footprint
Sta. 287+87 to 289+09

Excavation dimensions are approximate. May vary depending
on new floodwall configuration and site constraints.



Floodwall Excavation Footprint
Sta. 276+70 to 287+87



KEY

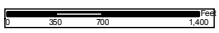
Existing Levee Features

StaFeatCode

	Closure Structure
	Pump Plant

Existing Levee/Floodwall

	Floodwall
	Levee



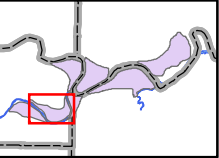
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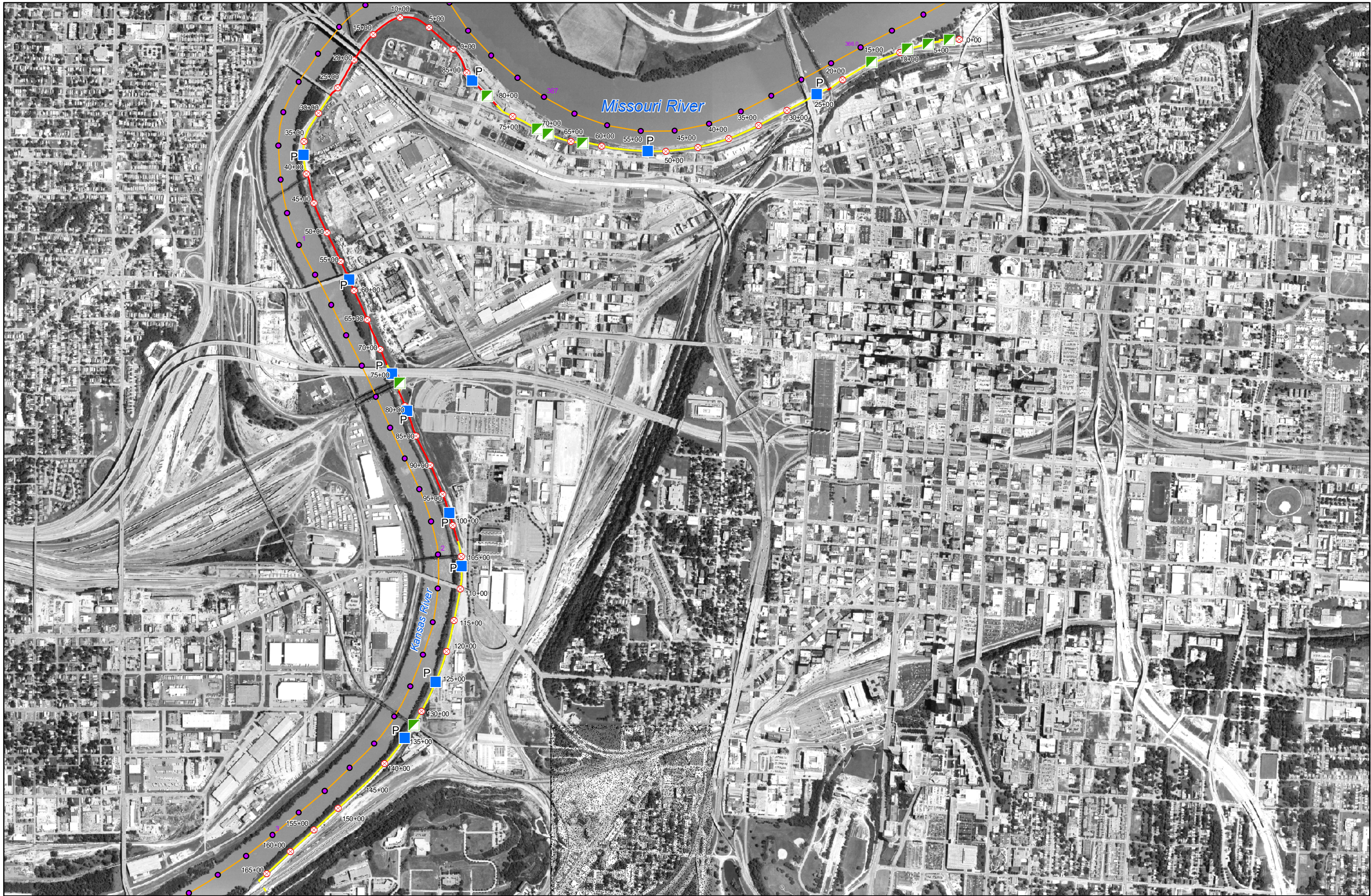
Projection: UTM Zone 15, Feet
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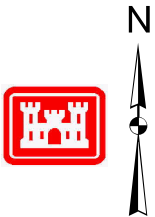
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Feasibility Study

28 APR 06

**Central Industrial District
Levee Unit Location**

Figure 1-8



KEY

Existing Levee Features

StaFeatCode

	Closure Structure
	Pump Plant

Existing Levee/Floodwall

	Floodwall
	Levee

Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83

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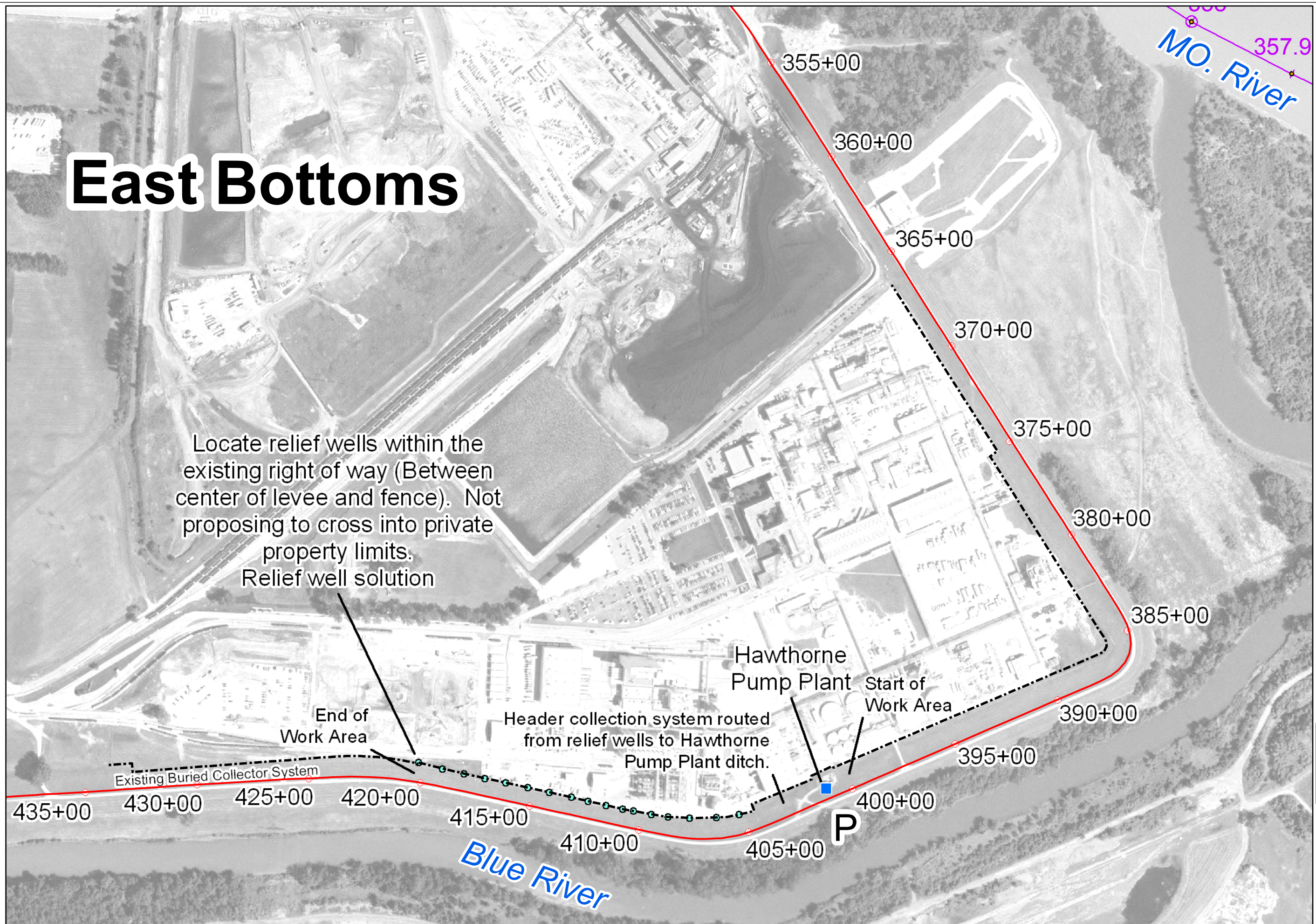
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East Bottoms

Locate relief wells within the existing right of way (Between center of levee and fence). Not proposing to cross into private property limits.
Relief well solution



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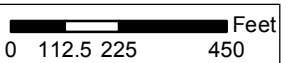
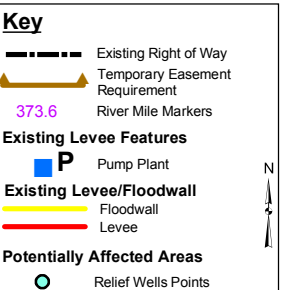
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East Bottoms
Levee Unit
Location and
Preferred Alternative

Pressure Relief Wells

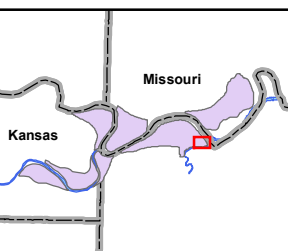
Figure 1-9

NOTE: Utility easements
are not shown.



Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83
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Missouri River

Kansas City,
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Flood Damage
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Fairfax-Jersey Creek
Levee Unit Location
BPU Floodwall
Preferred Alternative

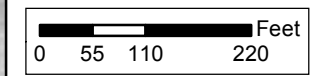
Construct and
Additional Row of
Piles and Foundation
Slab Extension

Figure 1-10

NOTE: Utility easements
are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- River Mile Markers
- Existing Levee Features
 - Pump Plant
- Existing Levee/Floodwall
 - Floodwall
 - Levee
- Potentially Affected Areas
 - Modify Existing Floodwall

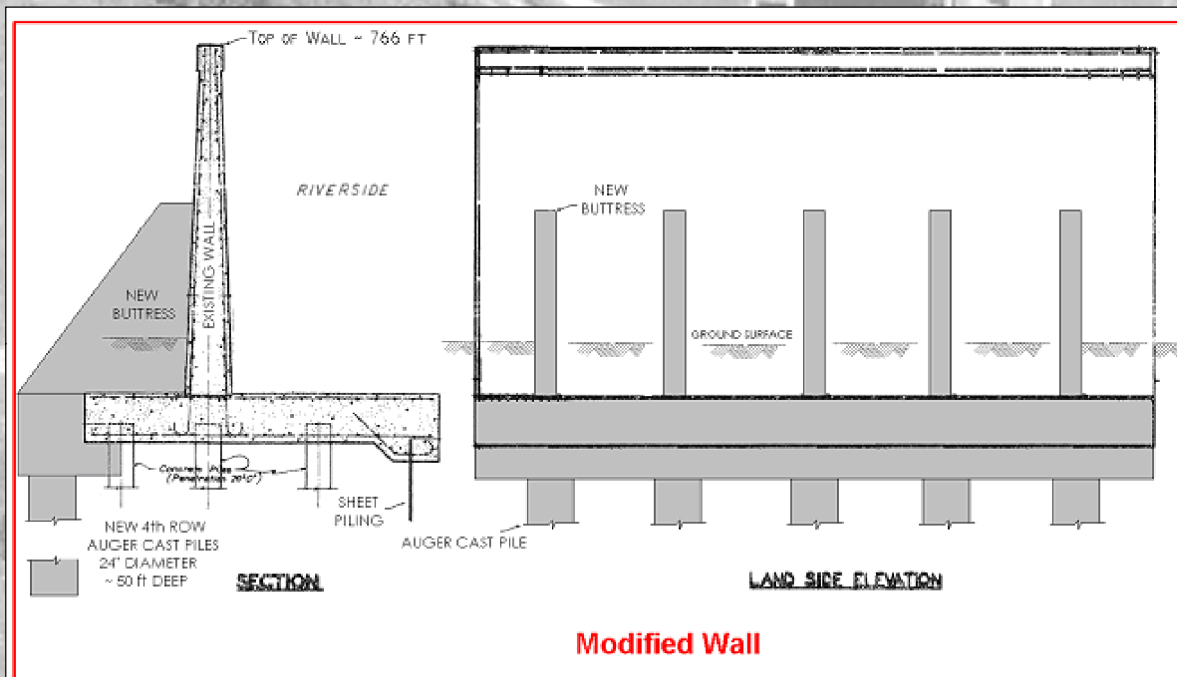
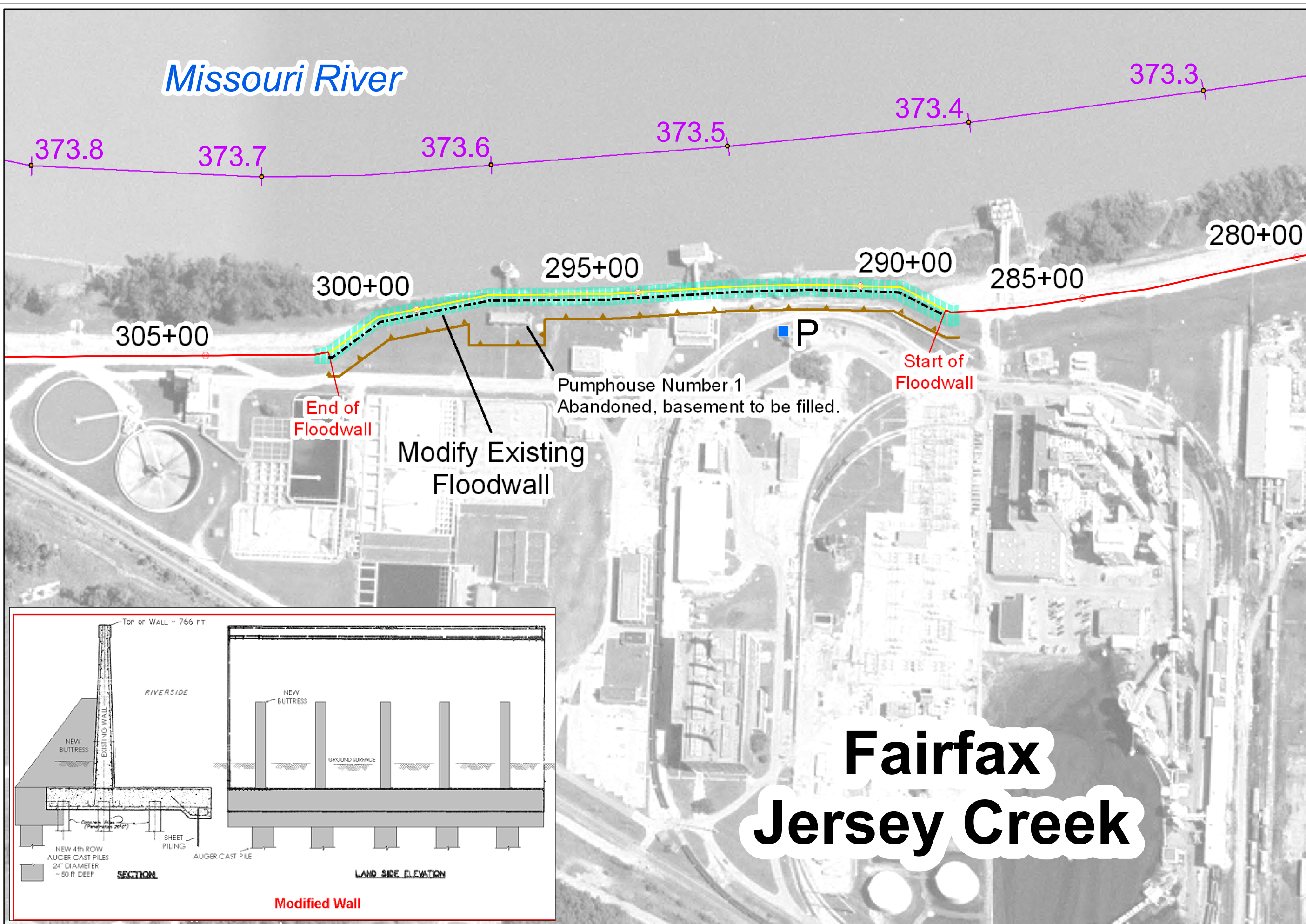


Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83
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Fairfax Jersey Creek

Kansas City,
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Flood Damage
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Feasibility Study

28 APR 06

Fairfax-Jersey Creek
Levee Unit Location
Sheetpile Wall
Preferred Alternative

Open Cell
Sheetpile Wall

Figure 1-11

NOTE: Utility easements
are not shown.

Key

- Existing Right of Way
- Temporary Easement Requirement
- River Mile Markers

Existing Levee Features

- Pump Plant

Existing Levee/Floodwall

- Floodwall
- Levee

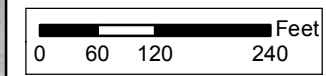
Potentially Affected Areas

Driven Sheetpile

- Above ground
- Below ground

Driven Sheetpile, Wharf Area

- Above ground
- Below ground



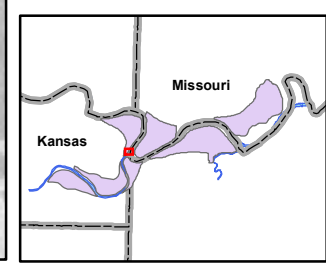
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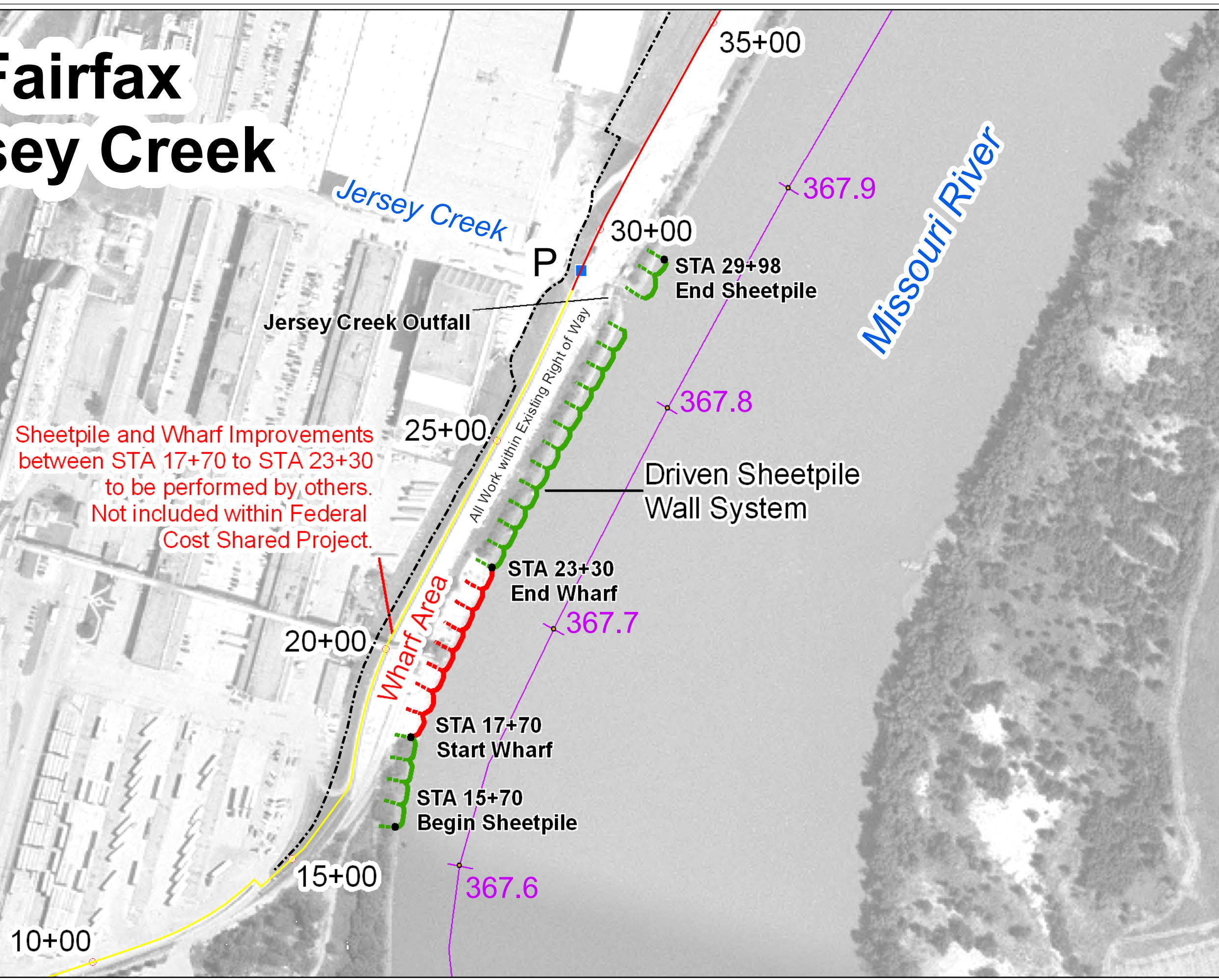
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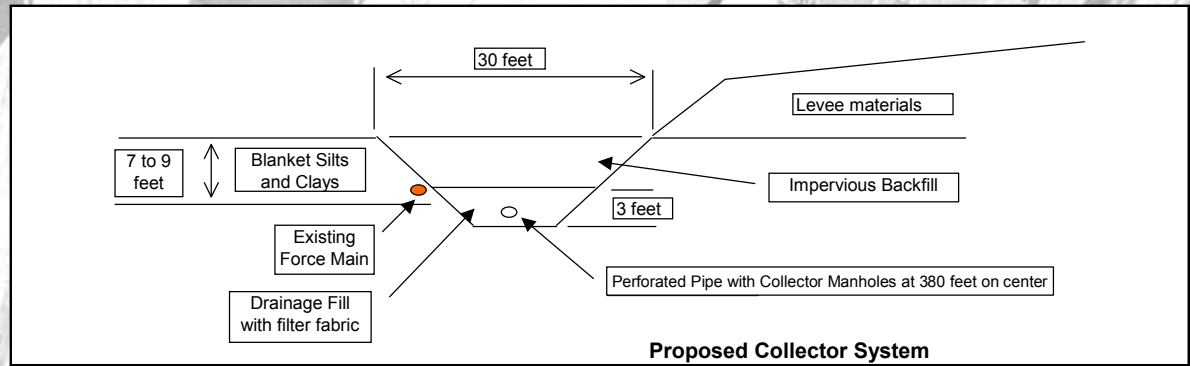
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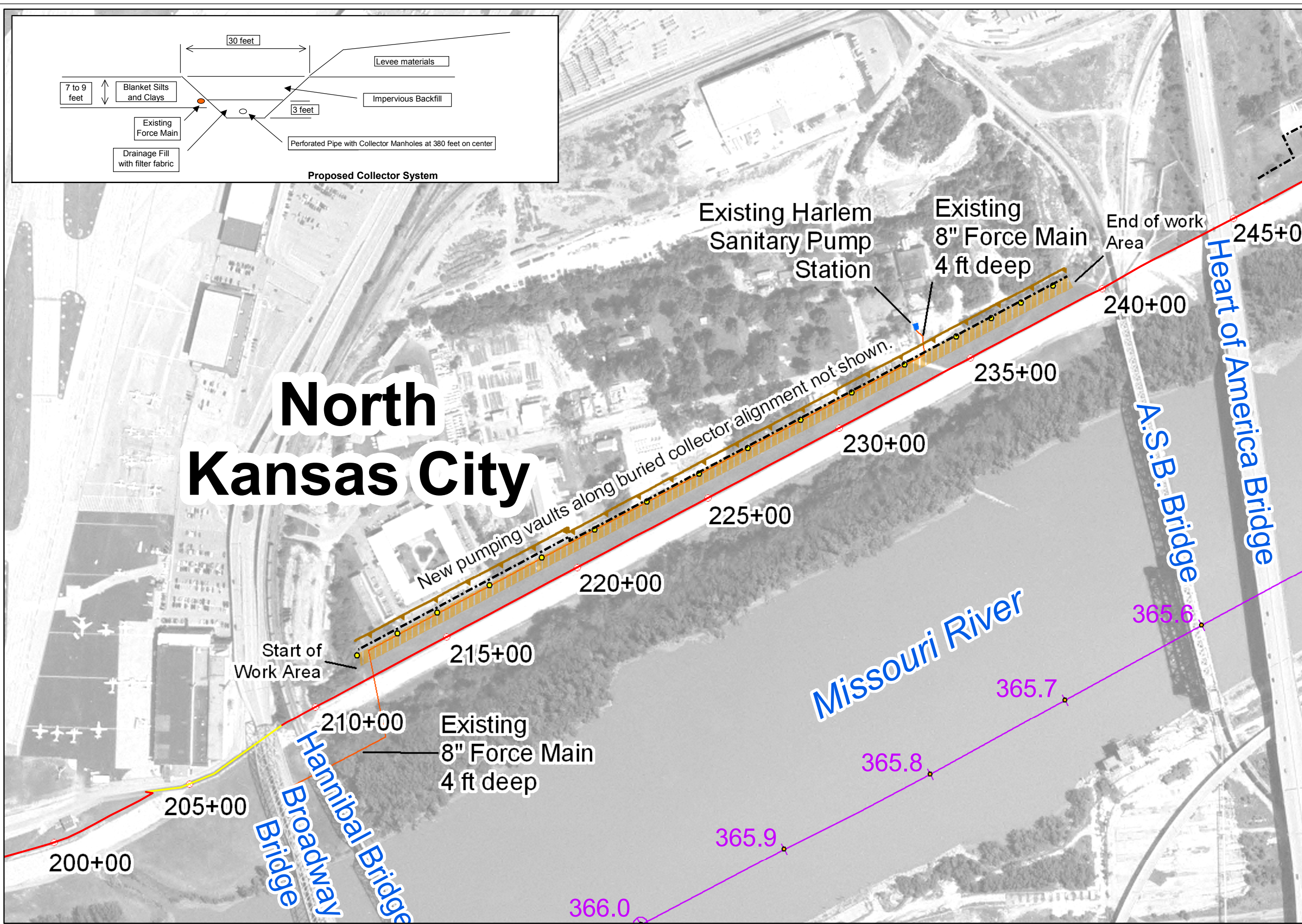


Sheetpile and Wharf Improvements
between STA 17+70 to STA 23+30
to be performed by others.
Not included within Federal
Cost Shared Project.





North Kansas City



Kansas City,
Missouri and Kansas
Flood Damage
Reduction Project

Feasibility Study

28 APR 06

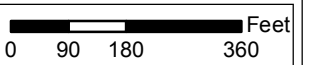
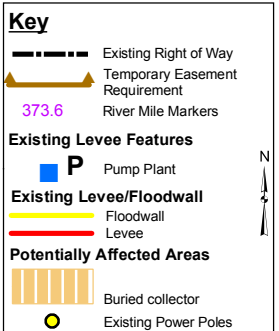
North Kansas City
Levee Unit Location

Harlem Preferred
Alternative

Buried Collector
System

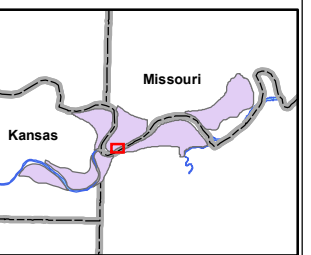
Figure 1-12

NOTE: Utility easements
are not shown.



Photography Date: 2001

Projection: UTM Zone 15, Feet
Datum: NAD 83
Created by: U.S. Army Corps of Engineers
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North Kansas City

Kansas City, Missouri and Kansas Flood Damage Reduction Project

Feasibility Study

28 APR 06

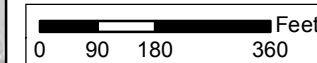
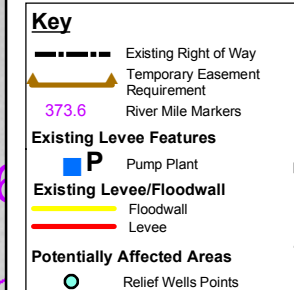
North Kansas City
Levee Unit Location

National
Starch Preferred
Alternative

Relief Wells
and Pump Station

Figure 1-13

NOTE: Utility easements
are not shown.



Photography Date: 2001

Projection: UTM Zone 15, Feet
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Proposed Relief Well and Collector
System - Flows to Pump Station

Proposed
Pump
Station

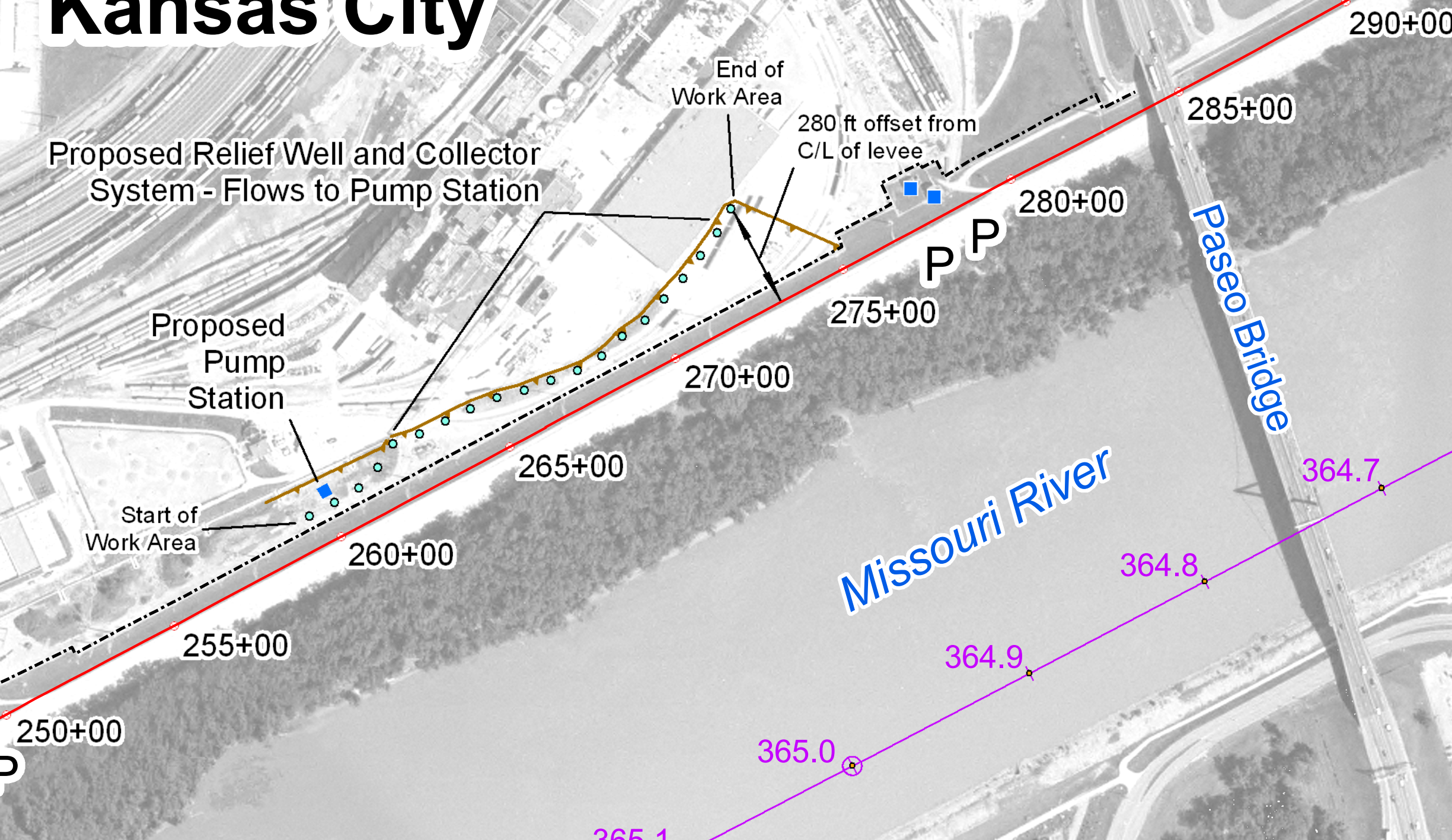
Start of
Work Area

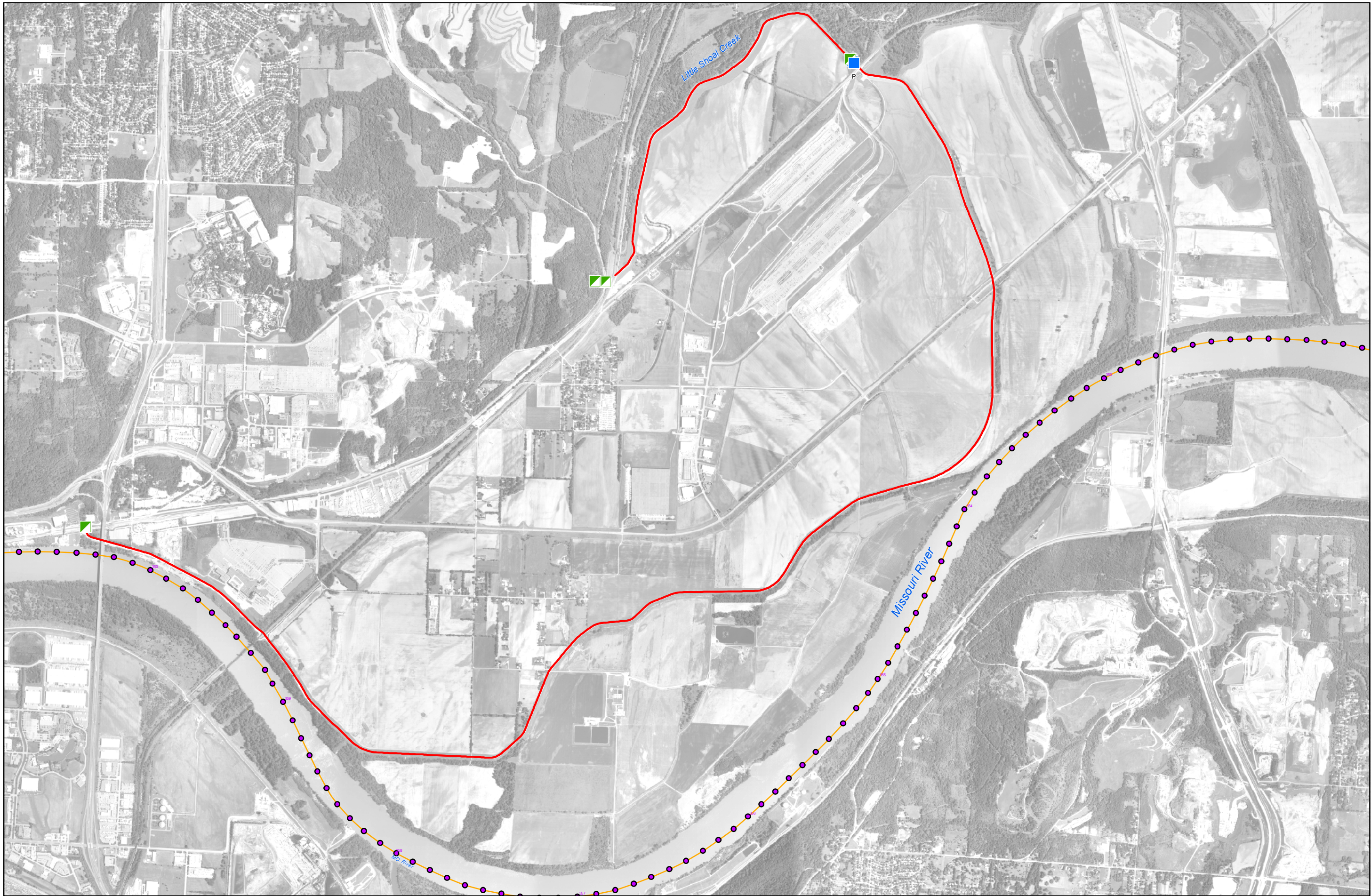
End of
Work Area

280 ft offset from
C/L of levee

Paseo Bridge

Missouri River





**Kansas Citys,
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Reduction Project**

Feasibility Study

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**Birmingham Levee
Unit Location**

Figure 1-14



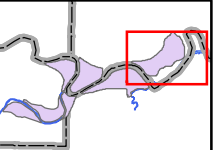
KEY	
Existing Levee Features	
	Closure Structure
	Pump Plant
Existing Levee/Floodwall	
	Floodwall
	Levee

0 625 1,250 1,875 2,500

Photography Date: 2001

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**Kansas City,
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Feasibility Study

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**Proposed Borrow
Area Location**

Figure 1-15

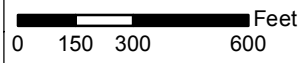
**NOTE: Utility easements
are not shown.**

Key

	Project Wetlands
	Borrow Area
	River Mile Markers

373.6

N



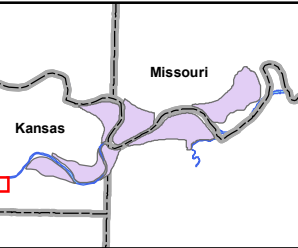
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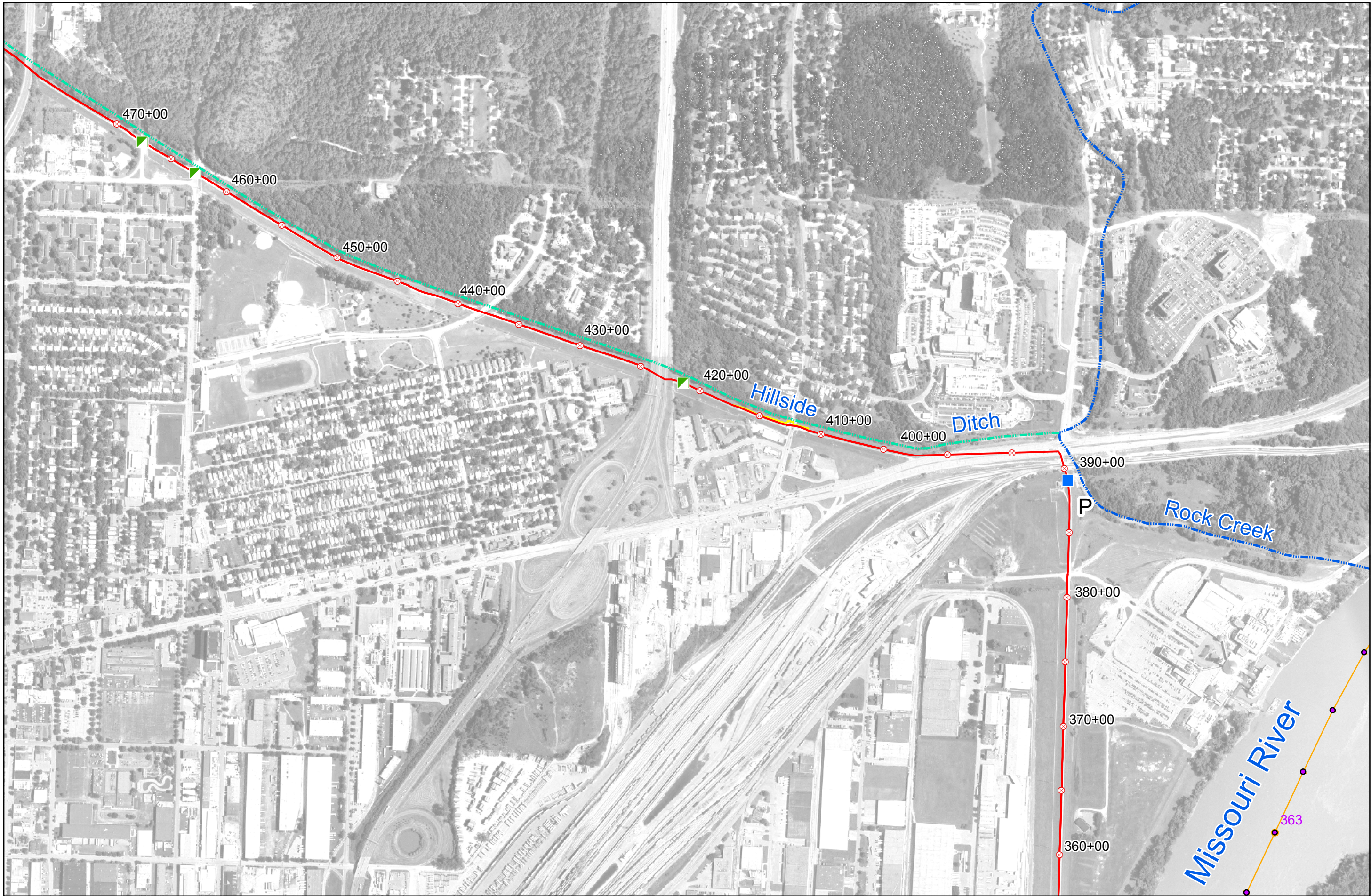
Projection: UTM Zone 15, Feet
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Kansas City,
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Flood Damage
Reduction Project

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North Kansas City
Hillside Ditch and
Levee Tieback

Figure 5-1



KEY	
Existing Levee Features	
StaFeatCode	
■	Closure Structure
■	Pump Plant
Existing Levee/Floodwall	
—	Floodwall
—	Levee
Name	
—	Streams
—	Ditches

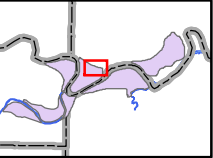
Photography Date: 2001

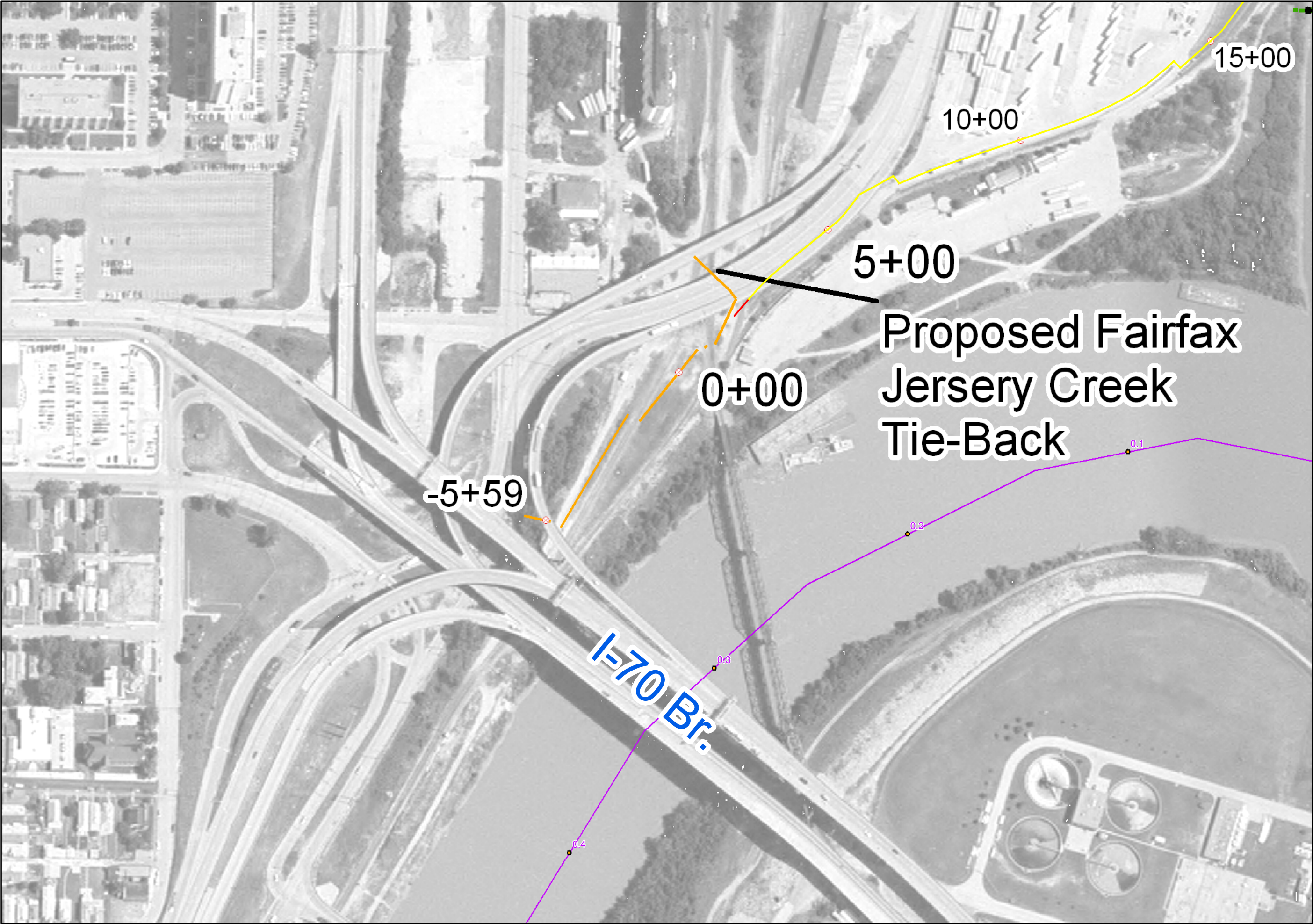
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Flood Damage
Reduction Project

Feasibility Study

28 APR 06

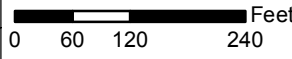
Fairfax-Jersey Creek
Levee Unit
Downstream Tieback

Figure 5-2

NOTE: Utility easements
are not shown.

Key

- Downstream Tieback
- 373.6 River Mile Markers
- Existing Levee/Floodwall
- Floodwall
- Levee



Photography Date: 2001

Projection: UTM Zone 15, Feet
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